

Amendments to the Specification:

Please amend numbered paragraph 0048, as shown below:

Because the driver desired acceleration is an open loop request, it is modified at block 76 prior to the arbitration, so the integrator can still be used. Specifically, block 76 represents a second transfer function which is configured to nullify the effect of the integrator shown in Figure 4. Thus, block 76 is labeled "Inv G" to denote a transfer function which is, in general, the inverse of the transfer function G shown in Figure 4. Specifically, when the driver desired acceleration is the winner of the arbitration, and it is desired that the driver desired acceleration pass through the transfer function G unchanged, the proper choice of the gains Kff and Kp1 and the second transfer function InvG can accomplish this. For example, using a transfer function at block 76 that changes the driver desired acceleration from (A_dd) to (A_dd-x_i), and choosing Kff=1 and ~~Kp=0~~ Kp1=0, allows the driver desired acceleration to pass through the transfer function G unchanged. Therefore, in this situation, the second vehicle acceleration will be equal to the driver desired acceleration.